

7.3.1 Institutional Distinctiveness

7.3.1 Highlight the performance of the institution in an area distinct to its priority and thrust

Title: Embracing Education in Emerging Technologies

The vision of the college is to promote excellence in technical education and scientific research for the benefit of the society. The College strives to offer education that meets the upcoming emerging industrial demands. Emerging technologies play a vital role in the modernization of industries. Training students in such emerging technologies is very important to make the students industry-ready.

Based on the industry feedback and technology forecast, the College has started two new 4-year B.E./B.Tech Degree Programs in emerging areas in 2020-2021 and two Programs in 2021-2022. The core/elective courses in emerging areas have also been introduced in the curriculum of the various programs of the College. Industry supported laboratories are also established in such emerging areas. The four new Programs are

- B.E. Computer Science and Business Systems
- B.Tech. BioTechnology
- B.E. Computer Science and Design
- B.Tech Artificial Intelligence and Data Science

B.E. Computer Science and Business Systems is designed by Tata Consultancy Services to cater to the rising need of engineering talent with skills in technology. This program imparts knowledge of cutting-edge technologies and business skills with hands-on exposure to make students industry-ready.

B.Tech. BioTechnology is a combination of technology, research, and development. It includes study in the area of applied biology, chemical engineering, and genetic engineering. This study applies to the use of medicine, agriculture, living organisms, industrial & manufacturing processes.

B.E. Computer Science and Design is a future-based qualification that prepares students for the job market of the future like Games developer, 3D programmer, Web developer, and Multimedia programmer. This program will enable students to develop and apply computational and design engineering to deal with real-world problems and design creative solutions.

B.Tech Artificial Intelligence and Data Science education will help students to widely use their knowledge to analyze huge data to do a lot of impressive tasks and jobs. Artificial Intelligence and data science is a suitable course for those who would like to develop various intelligent business solutions.

In all the existing B.E./B.Tech programs courses in emerging areas like Cloud Computing, Machine Learning, Internet of Things, Smart City, Smart Manufacturing, Cyber Forensics are offered.

Centre of Excellence in RAI (Robotics, Artificial Intelligence and IoT) is established in the College to enhance the technical knowledge of the students in these emerging areas and to build a strong research and technology startup ecosystem.